

INTERNATIONAL SEARCH REPORT

PCT/GB2004/004722

A. CLASSIFICATION OF SUBJECT MATTER					
IPC 7	H01L29/778	H01L29/737	H01L27/082	H01L27/06	H01L29/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, COMPENDEX, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/080332 A1 (PHILLIPS TIMOTHY J) 1 May 2003 (2003-05-01) cited in the application paragraphs '0023!, '0040!; claims 21-23; figure 1	1-6, 9, 12-15
Y	WO 03/081674 A (PHILLIPS TIMOTHY JONATHAN ; QINETIQ LTD (GB)) 2 October 2003 (2003-10-02) cited in the application abstract; figures 1-9	7, 8, 10, 11
Y	WO 01/93337 A (PHILLIPS TIMOTHY JONATHAN ; QINETIQ LTD (GB)) 6 December 2001 (2001-12-06) cited in the application abstract; figures 1, 8, 9	7, 8
		10, 11
		-/-

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
21 January 2005	31/01/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel: (+31-70) 340-2040, Tx. 31 651 epo nl Fax: (+31-70) 340-3016	Authorized officer Berthold, K

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LOTT J A ET AL: "STRAINED P-CHANNEL INGASB/ALGASB MODULATION-DOPED FIELD-EFFECT TRANSISTORS" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 28, no. 15, 16 July 1992 (1992-07-16), pages 1459-1460, XP000307703 ISSN: 0013-5194 abstract; figure 1	1-6, 13-15
X	US 5 298 441 A (GORONKIN HERBERT ET AL) 29 March 1994 (1994-03-29) column 5, line 6 - column 6, line 54; figure 4	1-6, 15
X	PATENT ABSTRACTS OF JAPAN vol. 015, no. 265 (E-1086), 5 July 1991 (1991-07-05) & JP 03 088369 A (YOKOGAWA ELECTRIC CORP), 12 April 1991 (1991-04-12) abstract	1,10,11
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 184 (E-751), 28 April 1989 (1989-04-28) & JP 01 009656 A (NEC CORP), 12 January 1989 (1989-01-12) abstract	1,10
X	EP 0 241 988 A (PHILIPS ELECTRONICS UK LTD ; PHILIPS NV (NL)) 21 October 1987 (1987-10-21) column 5, line 10 - column 5, line 18; figure 1	1-5, 15
X	PATENT ABSTRACTS OF JAPAN vol. 015, no. 444 (E-1132), 12 November 1991 (1991-11-12) & JP 03 187269 A (HITACHI LTD), 15 August 1991 (1991-08-15) abstract	1-4,10, 11,15
X	US 5 241 197 A (MURAKAMI EIICHI ET AL) 31 August 1993 (1993-08-31) abstract; figures 4,14	1,10-14
		-/-

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>CUI D ET AL: "TECHNOLOGY AND FIRST ELECTRICAL CHARACTERISTICS OF COMPLEMENTARY NPN AND PNP INALAS/INGAAS HETEROJUNCTION BIPOLAR TRANSISTORS" JAPANESE JOURNAL OF APPLIED PHYSICS, PUBLICATION OFFICE JAPANESE JOURNAL OF APPLIED PHYSICS. TOKYO, JP, vol. 41, no. 2B, PART 1, February 2002 (2002-02), pages 1124-1130, XP001192196 ISSN: 0021-4922 abstract</p> <p>-----</p> <p>PATENT ABSTRACTS OF JAPAN vol. 012, no. 268 (E-638), 27 July 1988 (1988-07-27) & JP 63 051678 A (NEC CORP), 4 March 1988 (1988-03-04) abstract</p> <p>-----</p>	1-15
A		1-15

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Information on patent family members

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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